

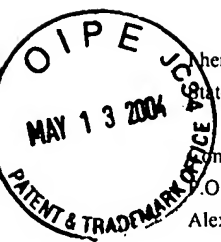


<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>		Application Number	10/797,893
		Filing Date	March 9, 2004
		First Named Inventor	Beraud, Christophe
		Art Unit	1642
		Examiner Name	NOT YET ASSIGNED
Total Number of Pages in This Submission		Attorney Docket Number	020552-004921US

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Return Postcard
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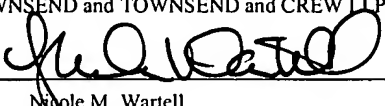
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PATENT  
Attorney Docket No.: 020552-004921US  
Client Reference No.: 1044B

On MAY 10, 2004

TOWNSEND and TOWNSEND and CREW LLP

By:   
Nicole M. Wartell

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

Christophe Beraud

Application No.: 10/797,893

Filed: March 9, 2004

For: NOVEL MOTOR PROTEINS AND  
METHODS FOR THEIR USE

Examiner: NOT YET ASSIGNED

Art Unit: 1642

INFORMATION DISCLOSURE  
STATEMENT UNDER 37 CFR §1.97 and  
§1.98

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. This application is a divisional of and relies upon U.S. Application No. 10/093,317, filed March 6, 2002, for an earlier effective filing date under 35 U.S.C. §120, which is a continuation of U.S. Application No. 09/724,224, filed November 28, 2000, now U.S. Patent No. 6,387,644, which is a continuation of U.S. Application No. 09/597,292, filed June 20, 2000, abandoned, which is a continuation-in-part application of U.S. Application No. 09/295,612, filed April 20, 1999, abandoned. In accordance with 37 CFR §1.98(d), copies of those references that have been previously submitted to or cited by the Office

in the parent applications are not enclosed. In addition, U.S. patents which have not been previously submitted to or cited by the Office are not enclosed in accordance with the Patent Office waiver issued August 5, 2003 in the Official Gazette, which states as follows:

The Office hereby waives the requirement under 37 CFR §1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003 and for all international applications that have entered the national stage under 35 USC §371 after June 30, 2003. See 37 CFR §1.491(b).

Please note that previously cited US Patent Application No. 09,314,464, Finer et al., Filed May 18, 1999, has since issued as US-6,410,254, on June 25, 2002, and is cited in this IDS as such.

It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,



Scott L. Ausenhus  
Reg. No. 42,271

Christophe Beraud  
Application No.: 10/797,893  
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PATENT

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet	1	of	3	Attorney Docket Number	020552-004921US
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**Complete if Known**

Application Number	10/797,893
Filing Date	March 9, 2004
First Named Inventor	Beraud, Christophe
Art Unit	1642
Examiner Name	NOT YET ASSIGNED

**U.S. PATENT DOCUMENTS+**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code <sup>2</sup> (if known)			
	A1	US-6,207,403 B1	03-2001	Goldstein et al.	
	A2	US-6,387,644 B1	05-14-2002	Beraud	
	A3	US-6,410,254	06-25-2002	Finer et al.	
	A4				

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	B1	PCT	WO 98/37197		08-27-1998			<input type="checkbox"/>
	B2	PCT	WO 99/13061	A1	03-18-1999			<input type="checkbox"/>
	B3	PCT	WO 00/63353		10-26-2000			

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			First Named Inventor	Beraud, Christophe	
			Art Unit	1642	
			Examiner Name	NOT YET ASSIGNED	
Sheet	2	of	3	Attorney Docket Number	020552-004921US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	C1	Adams et al., "pavarotti encodes a kinesin-like protein require to organize the central spindle and contractile ring for cytokinesis," <i>Genes &amp; Development</i> , 12:1483-1494 (1998).	
	C2	Aizawa et al., "Kinesin Family in Murine Central Nervous System," <i>Journal of Cell Biology</i> , 119:1287-1296 (1992).	
	C3	Blangy et al., "Phosphorylation by p34cdc <sup>2</sup> Regulates Spindle Association of Human Eg5, a Kinesin-Related Motor Essential for Bipolar Spindle Formation in Vivo," <i>Cell</i> , 83:1159-1169 (1995).	
	C4	Cole et al., "A 'Slow' Homotetrameric Kinesin-related Motor Protein Purified from <i>Drosophila</i> Embryos," <i>Journal of Biological Chemistry</i> , 269(37):22913-22916 (1994).	
	C5	Crevel et al., "Kinetic evidence for low chemical processivity in ncd and Eg5," <i>J. Mol. Biol.</i> , 273:160-170 (1997).	
	C6	Debernardi et al. "Identification of a Novel Human Kinesin Related Gene (HK2) by the cDNA Differential Display Technique" <i>Genomics</i> , 1997, pp. 67-73, Vol. 42.	
	C7	Desai et al, "Kin I Kinesins Are Microtubule-Destabilizing Enzymes," <i>Cell</i> , 96:69-78 (1999).	
	C8	GenBank Accession No. D38751, Direct Submission, Jun., 2000.	
	C9	GenBank Accession No. Q14807, Nov. 1996	
	C10	Kim et al., "Cloning and expressiorof human mitotic centromere-associated kinesin gene," <i>Biochimica et Biophysica Acta</i> , 1359:181-186(1997).	
	C11	Kuriyama et al, "Heterogeneity and microtubule interaction of the CHO1 antigen, a mitosis-specific kinesinlike protein," <i>Journal of Cell Science</i> , 107:3485-3499 (1994).	
	C12	LeGuellec et al., "Cloning by Differential Screening of a <i>Xenopus</i> cDNA That Encodes," <i>Molecular and Cellular Tology</i> , 11(6):3395-3398 (1991).	
	C13	Lockhart et al., "Kinetics and Motility of the Eg5 Microtubules Motor," <i>Biochemistry</i> , 35:2365-2373 (1996).	
	C14	Nakagawa, et al. "Identification and classification of 16 new kinesin superfamily (KIF) protein in mouse genome". <i>Proc. Natl. Acad. Sci. U.S.A.</i> 1997, pp.9654-9659, Vol. 94, No. 18.	
	C15	Nislow et al., "A plus-end-directed motor enzyme that moves anitparallel microtubules <i>in vitro</i> localizes to the interzone of mitotic spindles," <i>Nature</i> , 359:543-547 (1992).	
	C16	Noda et al, "KIF2 Is a New Microtubule-based Anterograde Motor That Transports Membranous Organelles Distinct from Thos Carried by a Kinesin Heavy Chain or KIF3A/B,," <i>Journal of Cell Biology</i> , 129:157-167 (1995).	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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Sheet	3	of	3	Attorney Docket Number	020552-004921US

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	C17	Okada et al, "A Processive Single-Headed Motor: Kinesin Superfamily Protein K1 F1A," <i>Science</i> , 283:1152-1157 (1999).	
	C18	Pierce et al. "Imaging individual green fluorescent proteins" <i>Nature</i> , 1997, pp. 338, Vol. 388, No. 6640.	
	C19	Raich et al, "Cytokinesis and Midzone Microtubule Organization in <i>Caenorhabditis elegans</i> Require the Kinesin-like Protein ZEN-4," <i>Molecular Biology of the Cell</i> , 9:2037-2049 (1998).	
	C20	Sawin et al, "Mitotic spindle organization by a plus-end-directed microtubule motor," <i>Nature</i> , 359:540-543 (1992).	
	C21	Sekine et al., "A Novel Microtubule-based Motor Protein (KIF4) for Organelle Transports, Whose Expression is Regulated Developmentally," <i>Journal of Cell Biology</i> , 127(1):187-201 (1994).	
	C22	Thrower et al, "Mitotic HeLa cells contain a CENP-associated minus end-directed microtubule motor," <i>EMBO</i> , 14(5):918-926 (1995).	
	C23	Tokai et al. "Kid, a novel kinesin-like DNA binding protein, is localized to chromosomes and the mitotic spindle" <i>EMBO J.</i> , 1996, pp.457-467, Vol. 15, No. 3.	
	C24	Vale et al., "Direct observation of single kinesin molecules moving along microtubules," <i>Nature</i> , 380:451-453 (1996).	
	C25	Walczak et al. "XKCM1: A Xenopus Kinesin-Related Protein That Regulates Microtubule Dynamics during Mitotic Spindle Assembly" <i>Cell</i> , 1996, pp. 37-47, Vol. 84.	
	C26	Wang et al., "Chromokinesin: a DNA-binding, Kinesin-like Nuclear Protein," <i>Journal of Cell Biology</i> , 128(5):761-768 (1995).	
	C27	Whitehead et al., "The Spindle Kinesin-Like Protein HsEg5 Is An Autoantigen in Systemic Lupus Erythematosus," <i>Arthritis &amp; Rheumatism</i> , 39(10):1635-1642 (1996).	
	C28	Wood et al., "CENP-E Is a Plus End-Directed Kinetochore Motor Required for Metaphase Chromosome Alignment," <i>Cell</i> , 91:357-366 (1997).	
	C29	Wordeman et al., "Identification and Partial Characterization of Mitotic Centromere-associated Kinesin, a Kinesin-related Protein That Associates with Centromeres during Mitosis," <i>Journal of Cell Biology</i> , 128(1 & 2):95-105 (1995).	
	C30	Yen et al., "CENP-E is a putative kinetochore motor that accumulates just before mitosis," <i>Nature</i> , 359:536-539 (1992).	

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